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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/936,487	01/25/2002	Dominique Barthel	15675P372	7097

7590 06/17/2004

Blakely Sokoloff Taylor & Zafman  
7th Floor  
12400 Wilshire Boulevard  
Los Angeles, CA 90025

EXAMINER

GANDHI, DIPAKKUMAR B

ART UNIT	PAPER NUMBER
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2133

DATE MAILED: 06/17/2004

3

Please find below and/or attached an Office communication concerning this application or proceeding.

# Office Action Summary

Application No.

09/936,487

Applicant(s)

BARTHEL, DOMINIQUE

Examiner

Dipakkumar Gandhi

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

## Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

## Status

- 1) ☐ Responsive to communication(s) filed on \_\_\_\_.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

## Disposition of Claims

- 4) ☒ Claim(s) 1-21 is/are pending in the application.  
4a) Of the above claim(s) \_\_\_\_ is/are withdrawn from consideration.
- 5) ☒ Claim(s) 12-15 is/are allowed.
- 6) ☐ Claim(s) \_\_\_\_ is/are rejected.
- 7) ☒ Claim(s) 1-11 and 16-21 is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_ are subject to restriction and/or election requirement.

## Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 25 January 2002 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

## Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).  
a) ☒ All b) ☐ Some \* c) ☐ None of:  
1. ☐ Certified copies of the priority documents have been received.  
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_.  
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

## Attachment(s)

- 1) ☒ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449 or PTO/SB/08)  
Paper No(s)/Mail Date \_\_\_\_.
- 4) ☐ Interview Summary (PTO-413)  
Paper No(s)/Mail Date. \_\_\_\_.
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: \_\_\_\_.

## **DETAILED ACTION**

### ***Oath/Declaration***

1. The priority claimed for prior foreign application and the PCT application does not meet the priority requirements as per MPEP 1842 [R-1].

### ***Specification***

2. This application does not contain an abstract of the disclosure as required by 37 CFR 1.72(b). An abstract on a separate sheet is required.

### ***Claim Objections***

3. Claims 1 to 11 and 16-21 are objected to because of the following reasons:
  - The claims 1 to 11 and 16-21 should not have brackets with the reference numbers.
  - The claims 1 to 11 and 16-21 should have indentations.
  - The claims 1 to 11 and 16-21 should describe connection between the items in the claims and should have means-plus functional language.

### ***Allowable Subject Matter***

4. The following is an examiner's statement of reasons for allowance:
5. Claims 1 to 11 and 16-21 would be allowable if rewritten or amended to overcome the objection set forth above, see supra paragraph 3.
6. Claims 12-15 are allowable over the prior art of record.
7. The following is an Examiner's statement of reasons for the indication of allowable subject matter:

The present invention relates to processes and devices for testing integrated circuits with access to memory points of the circuit. The claimed invention (claim 12) recites features as: "integrated circuit comprising a Boundary Scan chain and an access path to at least one memory point, characterized in that the access path and the Boundary Scan chain are linked in series and in that the circuit comprises means for intervening simultaneously on the memory point or points of the access path and on the cells of the Boundary Scan chain."

The prior arts of record teach a built-in test architecture for testing one or more integrated circuits. Each circuit is provided with an interface compatible with IEEE standard 1149.1 and one or more scan registers

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containing scan cells for supplying input test data to, and receiving output test data from, the internal circuitry of the integrated circuits, a pseudo-random pattern generator for supplying patterns of test data to the boundary scan register, and a pattern compressor for compressing the output test data into a signature (Attaway et al. US 5,701,308 is an example of such prior arts). The prior arts, however, do not teach integrated circuit comprising an access path to at least one memory point, and the access path and the Boundary Scan chain are linked in series. Hence the prior arts of record do not anticipate nor render obvious the claimed inventions. Thus, claim 12 is allowable over the prior arts of record. Claims 13-15 are dependent of claim 12. Hence, claims 13-15 are also allowable over the prior arts of record.

8. Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

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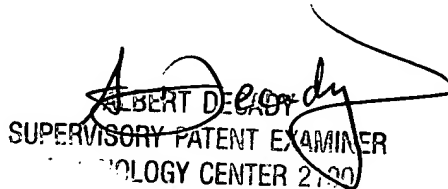
Any inquiry concerning this communication or earlier communications from the examiner should be directed to Dipakkumar Gandhi whose telephone number is 703-305-7853. The examiner can normally be reached on 8:30 AM - 5:00 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on (703) 305-9595. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).



Dipakkumar Gandhi  
Patent Examiner



ALBERT DECADY  
SUPERVISORY PATENT EXAMINER  
TECHNOLOGY CENTER 2133